

What is claimed is:

1. A color correcting apparatus comprising:

a controller for controlling a printer to print a plurality of first modulated images obtained by modulating colors of a first reference image having a plurality of colors and a plurality of second modulated images obtained by modulating a color of a second reference image having a single color;

an input device for accepting a selection of a selected first modulated image among said plurality of first modulated images in accordance with said first reference image which is displayed and a selection of a selected second modulated image among said plurality of second modulated images in accordance with said second reference image which is displayed; and

correcting means for correcting information for transforming image data to print data on the basis of said selected first modulated image and said selected second modulated image, said information indicating a relation between said image data and said print data.

2. The color correcting apparatus of claim 1, further comprising

a display for displaying said first reference image and said second reference image.

3. The color correcting apparatus of claim 1, wherein

said controller controls said printer to print said first reference image together with said plurality of first modulated images and to print said second reference image together with said plurality of second modulated images.

4. The color correcting apparatus of claim 1, wherein

said plurality of first modulated images are obtained by modulating at least one of characteristics selected from the group comprising hue, saturation, lightness and contrast of said first reference image in a plurality of ways.

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5. The color correcting apparatus of claim 1, wherein

said plurality of second modulated images are obtained by modulating at least one of characteristics selected from the group comprising hue, saturation, lightness and contrast of said second reference image in a plurality of ways.

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6. The color correcting apparatus of claim 1, wherein

said controller prints said plurality of first modulated images and said plurality of second modulated images by using a plurality pieces of information for transforming image data to print data, and

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said correcting means corrects said information on the basis of two pieces of information corresponding to said selected first modulated image and said selected second modulated image.

7. A color correcting method comprising the steps of:

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a) controlling a printer to print a plurality of first modulated images obtained by modulating colors of a first reference image having a plurality of colors;

b) controlling said printer to print a plurality of second modulated images obtained by modulating a color of a second reference image having a single color;

c) accepting a selection of a selected first modulated image among said plurality of first modulated images in accordance with said first reference image which is

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displayed;

d) accepting a selection of a selected second modulated image among said plurality of second modulated images in accordance with said second reference image which is displayed; and

5 e) correcting information for transforming image data to print data on the basis of said selected first modulated image and said selected second modulated image, said information indicating a relation between said image data and said print data.

10 8. The color correcting method of claim 7, further comprising the step of displaying said first reference image and said second reference image.

9. The color correcting method of claim 7, wherein
said first reference image is printed together with said plurality of first
modulated images in said step a), and
15 said second reference image is printed together with said plurality of second
modulated images in said step b).

10. The color correcting method of claim 7, wherein
said plurality of first modulated images are obtained by modulating at least one
20 of characteristics selected from the group comprising hue, saturation, lightness and
contrast of said first reference image in a plurality of ways.

11. The color correcting method of claim 7, wherein
said plurality of second modulated images are obtained by modulating at least
25 one of characteristics selected from the group comprising hue, saturation, lightness and

contrast of said second reference image in a plurality of ways.

12. The color correcting method of claim 7, wherein

said plurality of first modulated images and said plurality of second modulated
5 images are printed by using a plurality pieces of information for transforming image data
to print data in said steps a) and b), and

said information is corrected on the basis of two pieces of information corresponding to said selected first modulated image and said selected second modulated image in said step e).

13. A color correcting method comprising the steps of:

a) controlling a printer to print a plurality of first modulated images obtained by modulating colors of a first reference image having a plurality of colors on the basis of first information for transforming image data to print data, said first information
15 indicating a relation between said image data and said print data;

b) accepting a selection of a selected first modulated image among said plurality of first modulated images in accordance with said first reference image which is displayed;

c) correcting said first information on the basis of said selected first modulated
20 image to obtain second information;

d) controlling said printer to print a plurality of second modulated images obtained by modulating a color of a second reference image having a single color on the basis of said second information;

e) accepting a selection of a selected second modulated image among said
25 plurality of second modulated images in accordance with said second reference image

which is displayed; and

f) correcting said second information on the basis of said selected second modulated image to obtain third information.

5 14. The color correcting method of claim 13, further comprising the steps of:
displaying said first reference image during said step b); and
displaying said second reference image during said step e).

10 15. The color correcting method of claim 13, wherein
said first reference image is printed together with said plurality of first
modulated images in said step a), and
said second reference image is printed together with said plurality of second
modulated images in said step d).

15 16. The color correcting method of claim 13, wherein
said plurality of first modulated images are obtained by modulating at least one
of characteristics selected from the group comprising hue, saturation, lightness and
contrast of said first reference image in a plurality of ways.

20 17. The color correcting method of claim 13, wherein
said plurality of second modulated images are obtained by modulating at least
one of characteristics selected from the group comprising hue, saturation, lightness and
contrast of said second reference image in a plurality of ways.

25 18. The color correcting method of claim 13, further comprising the step of

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said plurality of first modulated images are printed by using a plurality pieces of
on for transforming image data to print data in said steps a), and

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said plurality of second modulated images are printed by using a plurality of second printing units, each of which receives said image data and said information for transforming image data to print data in said steps d), and

one of said plurality pieces of information is selected as said third information in said step f).